



Division of Industry
Services
1400 East Washington Ave.
Madison, WI 53703

Evaluation #

201601-I

Wisconsin Building Products Evaluation

Material

Insulated Cooler and Freezer Panels

Manufacturers

KPS Global
4201 N. Beach ST
Fort Worth, TX 76137

SCOPE OF EVALUATION

GENERAL: This report evaluates the use of foam plastic material used in walk-in coolers, freezers and refrigerated facilities, manufactured by KPS Global.

The cited **IBC** requirements below are in accordance with of the current **Wisconsin Amended ICC 2009 Code**:

- **Foam Plastic Core Material:** The KPS Global foam plastic sandwich panel was evaluated under the foam plastic requirements in accordance with **ss. IBC 2603**.
- **Wall and Ceiling Panel:** The KPS Global foam plastic sandwich panel was evaluated as an insulated wall and ceiling panel used in refrigerated facilities and freezer warehouses in accordance with **ss. IBC 2603.9**.

The structural performance and thermal transmission properties of the panels are outside the scope of this evaluation and are subject to specific evaluation and approval by the building plan reviewer. Additionally refrigerated rooms or spaces may require a second exit as required by 1015.5.

DESCRIPTION AND USE

The KPS Global panels may consist of minimum 3-1/2- up to a 6-inches thick polyurethane foam core. The polyurethane foam core material is BASF P1980R/P1001U 2.3 pcf core, high density rails and surfaced on both sides with .040 in thick painted aluminum and .019 in. thick painted steel. Adjoining finished panels are attached together by means of cam-locking devices incorporated into each finished panel.

TESTS AND RESULTS

Underwriters Laboratory (UL) conducted their full-scale room corner test (**UL 1715**) on aluminum and steel-faced panels for wall/ceiling with **3.5-inch to 6.0 inch** thick polyurethane cores (BASF'S P19080R/P1001U). The

wall/ceiling panels met the Underwriters Laboratory requirements and meet code requirements for use without a thermal barrier or sprinkler system.

UL 723 tests was conducted on the panel assembly. The results are as follows:

	Core Material	3.5 to 6 inch thick painted or unpainted aluminum finished panels	3.5 to 6 inch thick painted or unpainted steel finished panels
Flame Spread Index	20	20	15
Smoke Developed Index	450	>500	>500

The test data is on file with the department.

LIMITATIONS OF APPROVAL

The **IBC** limitation below is in accordance with the current **Wisconsin Amended ICC 2009 Code**:

- Wall and Ceiling Panel: IBC section 2603.9 allows the use of KPS Global insulated cooler panels to be installed without a thermal barrier or automatic sprinkler protection up to a maximum 6 inch thickness based on the UL 1715 test. Panels in thickness greater than 6 inches are subject to the thermal barrier and sprinkler requirements of IBC section 2603.

Notes

1. Other chapters of the code not mentioned above may require an automatic sprinkler system based on limitations of occupancy, area, height, etc.

Installation shall be in accordance with the Underwriters Laboratory listings, the manufacturer's instructions and this evaluation. In the event of conflicts, the more strict requirements shall govern.

Maintenance shall be in accordance with the manufacturer's instructions.

This approval will be valid through December 31, 2021, unless manufacturing modifications are made to the product or a re-examination is deemed necessary by the department. The Wisconsin Building Product Evaluation number must be provided when plans that include this product are submitted for review.

DISCLAIMER

The department is in no way endorsing or advertising this product. This approval addresses only the specified applications for the product and does not waive any code requirement not specified in this document.

Approval Date: March 14, 2016	By: Jason Hansen Bureau of Technical Services <i>Jason Hansen</i>
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